

**Notice of Allowability**

Application No.

10/783,691

Examiner

LAM T. MAI

Applicant(s)

CHURCHILL, SIMON BEVAN

Art Unit

2819

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/20/2004.
2. ☒ The allowed claim(s) is/are 1-32.
3. ☒ The drawings filed on 20 February 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

## **DETAILED ACTION**

### ***Specification***

The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

### ***Allowable Subject Matter***

Claims 1-32 are allowable.

The following is an examiner's statement of reasons for allowance: Claim 1 is allowed over the prior art of record. The prior art of record, considered individually or in combination, fails to fairly teach or suggest a method of input offset voltage compensation in a the bipolar different amplifier comprising, among other limitations, a novel and unobvious limitation of "coupling a trim current source to a trim resistances, the trim current source comprising a plurality of proportional to absolute temperature current source components individually controllably switchable to the trim current source output, each contributing a respective trim current component to the trim current source in a binary progression" structurally and functionally interconnected with other limitations in the manner as cited in claims 2-7.

The following is an examiner's statement of reasons for allowance: Claim 8 is allowed over the prior art of record. The prior art of record, considered individually or in combination, fails to fairly teach or suggest a method of input offset voltage compensation in a bipolar different amplifier comprising, among other limitations, a

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novel and unobvious limitation of "coupling a trim current source to at least one of a resistive loads, the trim current source comprising a plurality of proportional to absolute temperature current source components individually controllably switchable to the trim current source output" structurally and functionally interconnected with other limitations in the manner as cited in claims 9-16.

The following is an examiner's statement of reasons for allowance: Claim 17 is allowed over the prior art of record. The prior art of record, considered individually or in combination, fails to fairly teach or suggest the bipolar different amplifier comprising, among other limitations, a novel and unobvious limitation of "a trim current source having an output coupled to at least one of a trim resistances, the trim current source comprising a plurality of proportional to absolute temperature current source components individually controllably switchable to the trim current source output, each contributing a respective trim current component to the trim current source in a binary progression" structurally and functionally interconnected with other limitations in the manner as cited in claims 18-23.

The following is an examiner's statement of reasons for allowance: Claim 24 is allowed over the prior art of record. The prior art of record, considered individually or in combination, fails to fairly teach or suggest the bipolar different amplifier comprising, among other limitations, a novel and unobvious limitation of "a trim current source having an output coupled to at least one of a trim resistances, the trim current source comprising a plurality of proportional to absolute temperature current source components individually controllably switchable to the trim current source output, each

contributing a respective trim current component to the trim current source" structurally and functionally interconnected with other limitations in the manner as cited in claims 25-32.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### **Cited References**

The prior art made of record and not relied upon is considered pertinent to application's disclosures. The cited references relate to bipolar different amplifier with trim current.

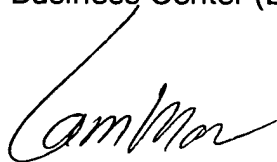
#### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LAM T. MAI whose telephone number is (571)272-1807. The examiner can normally be reached on 6:00 am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pascal J. Robert can be reached on (571) 272-1769. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'Lam T. Mai', is positioned above the printed name.

Lam T. Mai  
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